

**Appendix G**  
**Bureau of Highway Instructional Memorandum and**  
**Special Provision for Labeling Storm Water Outfalls**

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**DATE:** March 3, 2005

**TO:** Region Engineers  
Region Delivery Engineers  
TSC Managers  
Resident/Project Engineers  
Region Construction Engineers

**FROM:** Larry E. Tibbits  
Chief Operations Officer

John C. Friend  
Engineer of Delivery

**SUBJECT:** Bureau of Highway Instructional Memorandum 2005-03  
Labeling Storm Water Outfalls

Effective immediately, the attached special provision must be incorporated into all proposals that include items of work for culvert end sections, headwalls or other locations such as wing walls, retaining walls, etc. where storm water will discharge directly from the MDOT drainage system to the waters of the state. This action is in response to the National Pollutant Discharge Elimination System (NPDES) permit issued by the MDEQ to the department. As a condition of the permit, all storm water outfalls constructed after April 1, 2005, which discharge directly to the waters of the state, must be easily identifiable as being part of the storm water drainage system owned and operated by MDOT.

The waters of the state are defined in the NPDES permit to include the Great Lakes and their connecting waters, all inland lakes, rivers, streams, wetlands, impoundments, open drains and other surface bodies of water within the confines of the state. All sewers and culverts, which will discharge storm water directly into the above listed waters, shall be labeled in accordance with the attached special provision. Labeling is not required for underdrain outlet ends, ditches, driveway culverts, cross culverts or equalization culverts.

For projects let prior to the issuance of this instructional memorandum and constructed after April 1, 2005, compliance with this labeling requirement should be implemented by work order and paid for as extra work. In the event that outfall labeling cannot be implemented on a project, the engineer must notify Dave Gauthier, Construction and Technology's Grading and Drainage Engineer, or Judy Ruszkowski, MDOT's Storm Water Program Manager, so this exception can be included in the annual storm water program report.

All maintenance activities involving the installation or replacement of storm sewers and culverts that discharge directly to the waters of the state are also required to be conducted in accordance with the NPDES permit, as described in the attached special provision.

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Chief Operations Officer

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Engineer of Delivery

Attachment

BOHD:C/T:DG:kab

Index: Environment

cc: C & T Support Area Staff  
M. DeLong  
M. VanPortfleet  
C. Roberts  
J. Culp  
B. O'Brien  
S. El-Ahmad  
C. Rademacher  
P. Sebenick  
G. Moore  
K. Reincke  
T. Fudaly, FHWA  
MITA  
MAPA  
MCPA  
MCA  
MAA  
CRAM  
MRPA  
ACEC  
MPA

MICHIGAN  
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION  
FOR  
**LABELING STORM WATER OUTFALLS**

C&T:DMG

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C&T:APPR:JAR:EMB:01-21-05

**a. Description.** A National Pollutant Discharge Elimination System (NPDES) permit was issued (effective April 1, 2004) by the Michigan Department of Environmental Quality to the Michigan Department of Transportation (MDOT) to discharge storm water to the waters of the state. As a condition of this permit, effective April 1, 2005, all storm water outfalls shall be permanently labeled to identify MDOT as the owner and operator of the drainage system. The locations requiring labeling will be specified on the plans. All work shall be conducted in accordance with the plans, standard specifications for construction and as specified herein.

**b. Materials.** All materials shall be as specified in Sections 401 and 706 of the Standard Specifications for Construction and as modified herein.

**c. Construction.** Construct end sections and headwalls in accordance with Sections 401 and 706 of the Standard Specifications for Construction and as modified herein. Stenciling utilizing ink, paint or other surface application is not acceptable.

Permanently label all end sections or other points of stormwater discharge with "MDOT" in a conspicuous location which will remain visible after construction. The marking should be located on the interior of flared end sections in approximate alignment with the spring line of the conduit. For precast or cast-in-place concrete headwalls or instances where the conduit protrudes through a concrete or steel wall, the marking should be located on the exterior face directly above the pipe or as directed by the engineer.

The letters "MDOT" shall be physically stamped into steel end sections creating an indentation in the material. For concrete headwalls, end sections and walls the lettering shall be physically inscribed into the material. In those cases where the conduit protrudes through a steel sheet pile wall, the letters may be placed on the face of the wall by welding.

The individual letters shall be legible and sized to 1-1/2 inches high by 1 inch wide each. The depth of the letters shall be a minimum of 1/4 inch for concrete and 1/8 inch for steel materials. If the letters are placed by welding, the thickness of the weld shall be a minimum of 1/4 inch.

**d. Measurement and Payment.** The completed work as described will be paid for at the contract unit price for the following contract item (pay item):

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Outfall Label.....	Each

Payment for **Outfall Label** shall include all labor, equipment and materials necessary to complete the work as described.